MICRO - TECHNOLOGY UNLIMITED
K-1000 Power Supply

The MTU model k-1000 power supply is especially designed to power the popular KIM-1 microcomputer board manufactured by MOS Technology and its optional 4K expansion memory module. The power supply is totally enclosed in a black bakelite box which measures 5 5/16" wide by 6 13/16" long by 2 13/16" high overall. The line cord exit and output terminal strip are hidden under the box which is supported on rubber feet. The aluminum botton plate serves as a heat sink and is at ground potential. An internal 1 amp fuse protects against component failure and shorts to the unregulated outputs. The regulated outputs have both internal current limit and thermal shutdown.

SPECIFICATIONS

1. Line Voltage Range - 110 to 125 volts 60 Hz AC.
   Lower input voltages may be accomodated by suitable output current derating.

2. Output voltages

   A. +5 volts regulated +- 5% cumulative tolerance due to line and load variation, ripple, and static regulator tolerance. Maximum load current 1.2 amps.

   B. +12 volts regulated +- 5% cumulative tolerance due to line and load variation, ripple, and static regulator tolerance. Maximum load current 100 MA.

   C. +7.5 volts unregulated tolerance +7 to +12 as a result of line and load variations. Maximum load current 750 MA. This output is provided for Powering an external 4K memory board or future MTU products for the KIM.

   D +16 volts unregulated tolerance +14 to +20 as a result of line and load variations. An external capacitor to ground must be provided if any current is drawn from this terminal. Maximum load current with a 1000 uF 25 volt capacitor is 250 MA. This output is provided for powering future MTU products.

3. Ambient temperature 0 to +40 decrees C.

4. List price $40.00

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